MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of the Work: Construction of C.C. Roads and drains at HA Cross Bagalagunte in Ward No:14 Bagalagunte						
	Estimated Cost: Rs 50.0 Lakhs						
	Job Code No: 014 18.000352 Dcode 3158.						
	Adm. approval: EE DD AS 051 18-19 Dt 04-08-2018						
	Tech. " : EE DD TS 14 18-19 Dt 08.18.2018						
	Work order No: BBMP EE DD W0235 2018-19 Dt 09.08.18						
	Bill No : 1st & final						
	Bill receiving Dt 06.06.19						
	Agency: KR DL Bangalore						

M. A. R. 57 (Rule 116)
Measurement Book

No. D

Serial No. .....

225132

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Sl No: 1 Earth work excavation by manual means in hard soil including an average horizontal throw upto 2.00m and an average lift upto 0.50m excavated surface Levelled and sides neatly dressed, the disposed earth to be Levelled neatly after breaking of Clods complete as directed by Engineer at site						
	Qty vide page No 225195 gives as					380.34 m3	
	Total Qty						
	@ Rs 203.78/m3					Rs 77506.00	

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Sl No. 2	providing and laying in PCC of mix 1:4:8 with aggregate cement @ 150 kg with 40 mm and down size Jelly CA @ 0.85 m³ FA @ 0.57 m³ Concrete bed in layers not exceeding 15cm thick well compacted in foundation including cost of all materials as directed by engineer at site						
	Qty as per NIT 225195 Items :						
	Qty 63.65 m³ @ 5159.02/m³ Rs 328054=00						
Sl No. 3	Design mix M20 with OPC cement @ 320 kg/m³ with 20mm and down kg Jelly CA 0.69 m³ FA 0.46 m³ with superplasticizer @ 3 lts Confirming to IS 9103-1999 etc as directed by engineer at site.						

M. A. R. 57 (Rule 116)
Measurement Book

No. D

225133

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	for bottom drain						
	In front of Sparsthi School.	1	50.0	1.20	0.15	9.0 m³	
		1	50.0	1.20	0.15	9.0 -x	
		1	52.0	1.20	0.15	9.36 A	for Right side
		1	50.0	1.20	0.15	9.0 M	
		1	50.0	1.20	0.15	9.0-2	
		1	52.0	1.20	0.15	9.36 -	for Left side
	side walls.	222	50.0	0.15	0.70	10.50-x	
			50.0	0.15	0.70	10.50-M	

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	52.0	0.15	0.70	10.92 M	for R/S
		2	50.0	0.15	0.70	10.50 M	
		2	50.0	0.15	0.70	10.50 M	
		2	52.0	0.15	0.70	10.92 M	for L/S
	culvert —						
	culvert walls -	1	12-0	2.89	0.20	6.93 M	
	culvert slab -	2	12-0	0.45	2.0	21.63 M	
		1	12-0	2.89	0.25	8.67 M	
						155.76 M3	
				@		Rs	1084909.00

M. A. R. 57 (Rule 116) No. D
Measurement Book

Serial No. .....
225134
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Sl No 4	Supplying fitting and placing TMT fe 500 reinforcement as per routine qty UP No 225136 & 225138						
			Total qty		-	10.897 MT	
			@	66482.14 MT		Rs	729309.00
Sl No 5	providing and removing centring shuttering pointing etc and removal & form work for vertical surface such as walls at any thickness including attached pilasters etc as directed by Engineer at site						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	For drain	4	50.0	—	0.70	140.0 m²	
		4	50.0	—	0.70	140.0 "	
		4	52.0	—	0.70	145.60 "	for left side
		4	50.0	—	0.70	140.0 m²	
		4	50.0	—	0.70	140.0 "	
		4	52.0	—	0.70	145.60 "	for right side
	For culvert :	4	12.0	—	2.0	960	
						947.20 m²	
			@	310.50/m²		Rs	294181.00

M. A. R. 57 (Rule 116) No. D

Measurement Book

Serial No. .....

225135

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
S.No 6	Supplying and fixing 20mm and down gg graded at 150 mm c/c both ways etc complete in front of Sposata school.	Precast	Covering slab 10cm thick of M25 M20 using graded gravels including RCC 10mm dia steel as directed by engineer at site.				
		1	50.0	0.90	-	45.0 m2	
		1	50.0	0.90	—	45.0 "	
		1	52.0	0.90	—	46.80 "	left side
	Near School (Sposata)	1	50.0	0.90	-	45.0 "	
		1	50.0	0.90	-	45.0 "	
		1	52.0	0.90	.	46.80 "	Right side
						273.60 m²	
			@	1698.0/m²		Rs	464573.00

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
SL NO 7	providing and fixing precast Solid Concrete Kerb Stones ~~Sectional~~ made out of NO 272.21 CC 1:2:4 with top and bottom width 114 and 165 mm respectively. 400mm length and 450mm ht Length finished with cm 1:3 pointing and finished cutting including etc as directed by engineer as directed by Engineer at Site.						
	At Soonthi Shah. point	1	50.0	-	-	50.0 NO	
		1	50.0	-		50.0	
		1	52.0	-	-	52.0	
		1	50.0	-		50.0	
		1	50.0	-	-	50.0	
		1	52.0	-	-	52.0	
						304.0 NO	

M. A. R. 57 (Rule 116) No. D
Measurement Book 225136

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Total Qty NO	-	-	-	-	676.0 NO	
				@ 331.78	NO	Rs 224283.00	
SL NO 8	Painting two coats over filling two layer with synthetic enamel paint in approved shades on new plastered concrete with materials etc						
		2	50.0	-	0.45	45.0	
		2	50.0	-	0.45	45.0	
		2	52.0	-	0.45	46.80	
						136.80 m²	
				@ 69.96/m²		Rs 9571.00	

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
SL No. 9	Earth work excavation manual means in ordinary soil including an average horizontal trough upto 2.0mt and an average upto 0.50m left upto 0.50mt excavated by cow levelled and sides neatly dressed and the disposed earth levelled as per specification with all lead and lift etc as directed by engineer at site						
	Qty up ND 225 196 6 lines mg						
	TW Qty -					231.0m³	
	@ 170.92/m³						Rs 39483=00

M. A. R. 57 (Rule 116) No. D
Measurement Book
225137

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
SL No. 10	Compaction of original ground with maximum of 6 passes of 8 to 10 tons power roller including dig etc as directed by engineer at site						
	Quantity up ND 225 196 3 lines mg						
	total qty -		-	-		660.0m²	
	@ 5.30/m²						Rs 3493.

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
SL No-11	providing and laying spreading and compacting Stone aggregates to wet mix macadam specifications including premixing the materials with water using mechanical m/c plant etc as directed by Engineer at site.						
	For road Qty. -	1	50.0	6.0	0.15	45.0m³	measurement carried from page NO 225197
		1	50.0	6.0	0.15	45.0 "	
		1	10.0	6.0	0.15	9.0 "	
	28.02.24					99.0m³	
						@ 1768.08/m³	Rs 175040.00

M. A. R. 57 (Rule 116) No. D
Measurement Book 225138

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
SL NO 12	Construction of dry lean Cement Concrete of mix CC 1:5:10 with OPC cement @ 160 bags with 25 mm down graded granite metal coarse aggregate of 0.86m³ FA @ 0.58 m³ sub-base over at prepared subgrade with cement ratio not exceed 1:5:1 and FA confirming and ratio not exceed by less than 160 kg/m³ Ome Content to be determined during Trial length construction etc as directed by Engineer at site.						
	opp. Sarathi School:	1	50.0	6.0	0.15	45.0m³	
		1	50.0	6.0	0.15	45.0 "	
		1	10.0	6.0	0.15	9.0 "	
						49.0m³	
						@ 3986.66/m³	Rs 394679.00

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Sl No. 13	Cement Concrete pavement of unreinforced pcc pavement including curing as per design over a prepared sub base with ope cement or any other type as per clause 1051.2.2 with 25 mm and down size aggregate with superplasticizers @ 3 lts confirming to IS 9103-1999 Beaffi mee Rs 208 mixed in concrete mixer of not less than 0.6 m3 capacity and appropriate weigh batcher etc and directed by Engineer at site						
	oppo spooth, Level.	1	50.0	6.0	0.15	45.0m³	
		1	50.0	6.0	0.15	45.0	
	08-03-19	1	10.0	6.0	0.15	9.0	
						49.0m³	
					@ Rs 12579.96/m³	Rs	615578=00

M. A. R. 57 (Rule 116) No. D

Measurement Book

225133

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Sl No' 14	Vacume dewatering with vacuum pump and suction mat and compaction with 5 HP floater clubbed with floating disc including cost of generator 10 kva machine screed vibrating, power floater and disc etc with all Lead and lift as directed by Engineer at site						
		1	50.0	6.0	-	300.0m²	
		1	50.6	6.0	-	300.6	
		1	10.0	6.0	-	60.0m²	
						360.0m²	
					@ 95.4/m²	Rs	62964=00

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Total amount for work Rs K.I.D.C. Charges Rs						4493628 = 00 4499 = 00 4498127 = 00
10.06.19							

M. A. R. 57 (Rule 116)
Measurement Book

No. D

225110

Serial No. _____

Name of work _____ From _____ To _____

Name of Contractor of nature of Agency _____

Date of commencement of work _____

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Sprinkler Schedule.	

Scanned by CamScanner